

ABSTRACT OF THE DISCLOSURE

An integrated combine reel drive system for an agricultural vehicle such as a combine harvester, the drive system having the features of a single integrated hydraulic circuit for activating multiple hydraulic devices carried by the agricultural vehicle. The integrated circuit includes a header circuit, wherein the header circuit includes a steering circuit, an implement circuit, and a reel circuit. The header circuit includes two valve stacks for operating multiple hydraulic devices which enables the integrated circuit to drive the multiple hydraulic devices using manageable hydraulic pressures. Specifically, the integrated hydraulic circuit activates a hydraulic power steering mechanism, a hydraulic header adjusting apparatus and other hydraulic devices associated with the header, a hydraulic drive for the reel, and a hydraulic positioning mechanism for the reel of an agricultural vehicle.